

Arma-Chek® R

The insulation system with extra system security that minimises the risk of corrosion under insulation (CUI)

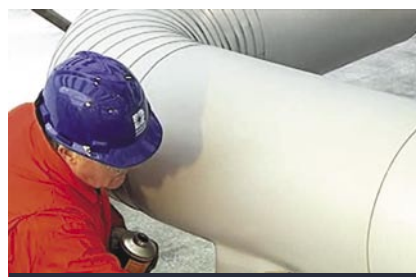
- ▶ Extra System Security from the “Built-In Water Vapour Barrier” in the Covering
- ▶ Non-Metallic Cladding - No Risk of Galvanic Corrosion
- ▶ Highly Resilient Protection Against Mechanical Impact













Developed for offshore and heavy industrial environments, Arma-Chek R is a high density rubber based covering Armaflex that offers an exceptional resistance against salt water, mechanical impact and UV attack.

Arma-Chek R is fully weather proof with an exceptionally high water vapour resistance. Its non-metallic nature eliminates the risk of galvanic corrosion

- ▶ **Extra system security from the “inbuilt water-vapour-barrier” in the covering**
- ▶ Substantially minimises the risk of under insulation corrosion
- ▶ Provides continuous long term thermal efficiency
- ▶ No risk of galvanic corrosion
- ▶ Increasing the life expectancy of the insulation system by up to 40%*
- ▶ Reduces monitoring and maintenance by up to 60%*
- ▶ Easy application - no need for specialised machinery
- ▶ Withstands salt water (green water wash over)
- ▶ Exceptional impact resistance
- ▶ Highly resistant to UV, oil and chemicals
- ▶ Non metal cladding system - reduces health and safety risks
- ▶ Complies with international standards



* Compared to traditionally used insulation and cladding systems

Technical Data		      
	Values	Remarks
Material	Flexible polymeric barrier	
Max. Surface Temperature	+105° C (if based on Class O Armaflex, NH/Armaflex) +150° C (if based on HT/Armaflex)	* For temperatures between -50°C and -200°C, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Max. Surface Temperature for Flat Surface	+85° C (if based on Class O Armaflex, NH/Armaflex) +130° C (if based on HT/Armaflex)	
Min. Surface Temperature	-200° C*	
Water Vapour Permeability Covering	Moisture Resistance Factor $\mu > 50,000$	
Water Vapour Permeability Insulation	No risk of Galvanic corrosion	Moisture Resistance Factor depending on the used Armaflex substrate
Resistance to	Impact Extremely Good UV Good	For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Density	1.6 kg/ltr. (± 50g)	For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Tensile Strength	5.0 MPa (± 1 MPa)	acc. to ISO 37 For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Tear Strength	5.0 - 6.5 N/mm	acc. to ISO 34a For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Elongation	Arma-Chek R Black 450 - 650% Arma-Chek R Grey 150 - 250%	acc. to ISO 37 For more information, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Health Aspects	Dust & Fibre Free	  



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